

94.1	<b>MOLECULAR OR PARTICLE RESONANT TYPE (E.G., MASER)</b>	34	.Particular frequency control means
1 R	<b>AUTOMATIC FREQUENCY STABILIZATION USING A PHASE OR FREQUENCY SENSING MEANS</b>	35	..Electromechanical (e.g., motor)
		36 R	..Reactance device (e.g., variable capacitors, saturable inductors, reactance tubes, etc.)
2	.Plural oscillators controlled	36 C	...Capacitor controlled AFC
3	.Molecular resonance stabilization	36 L	...Inductor controlled AFC
4	.Search sweep of oscillator	1 A	.AFC with logic elements
5	.Magnetron oscillator	37	<b>BEAT FREQUENCY</b>
6	.Klystron oscillator	38	.Plural beating
7	.Plural controls	39	..Single channel
8	.Transistorized controls	40	.Frequency or amplitude adjustment or control
9	.Oscillator with distributed parameter-type discriminator	41	.Frequency stabilization
10	.Plural A.F.S. for a single oscillator	42	.With particular signal combining means (e.g., cavity mixer)
11	.Plural comparators or discriminators	43	..With filter in mixer output circuit
12	...With phase-shifted inputs	44	<b>WITH FREQUENCY CALIBRATION OR TESTING</b>
13	..Motor control of oscillator	45	<b>POLYPHASE OUTPUT</b>
14	.With intermittent comparison controls	46	<b>PLURAL OSCILLATORS</b>
15	.Amplitude compensation	47	.Oscillator used to vary amplitude or frequency of another oscillator
16	.Tuning compensation	48	.Adjustable frequency
17	.Particular error voltage control (e.g., intergrating network)	49	.Selectively connected to common output or oscillator substitution
18	.With reference oscillator or source	50	.Cascade or tandem connected
19	..Spectrum reference source	51	..Frequency dividers
20	..T.V. sync type	52	..Semiconductor (e.g., transistor)
21	...Lock to power line	53	..Frequency multiplier
22	..Plural significant heterodyne stages	54	..Diverse-type oscillators
23	..Sensing modulation (e.g., frequency modulation controlled oscillator	55	.Synchronized, triggered or pulsed
24	...With motor comparator	56	.Parallel connected
25	..Signal or phase comparator	57	<b>RING OSCILLATORS</b>
26	...Plural diode type	58	<b>PLURAL FUNCTIONS SIMULTANEOUSLY CONVERTIBLE (E.G., OSCILLATOR TO AMPLIFIER, ETC.)</b>
27	...Plural active element (e.g., triodes)	59	<b>SINGLE OSCILLATOR WITH PLURAL OUTPUT CIRCUITS</b>
28	...Unilateral element (e.g., diode)	60	.Plural outputs of diverse wave form
29	...Electromechanical	61	<b>WITH OSCILLATOR CIRCUIT PROTECTIVE MEANS</b>
30	.With stable heterodyne oscillator or source	62	<b>PROTECTIVE OF SAFETY DEVICES FOR PERSONNEL</b>
31	..Plural significant heterodyne stages	63	<b>WITH INDICATOR, SIGNAL, OR ALARM</b>
32	..With particular discriminator (e.g., LPF and HPF)	64	
33	...Plural diode type		

65	<b>WITH DEVICE RESPONSIVE TO EXTERNAL PHYSICAL CONDITION</b>	98	..Disk seal tube (e.g., lighthouse, pencil tube)
66	.Temperature or light responsive	99	.Parallel wire type
67	<b>WITH ELECTROMAGNETIC OR ELECTROSTATIC SHIELD</b>	100	..Push-pull type
68	<b>WITH OUTER CASING OR HOUSING</b>	101	.Coaxial or shielded line type
69	.With temperature modifier	102	..Push-pull type
70	<b>WITH TEMPERATURE MODIFIER</b>	103	<b>TUBE STRUCTURE FORMS INDUCTIVE PART OF RESONANT CIRCUIT</b>
71	<b>RAW A.C. USED AS SOURCE OF POWER OR BIAS</b>	104	<b>TRANSIT TIME OSCILLATOR</b>
		105	<b>WITH PARASITIC OSCILLATION CONTROL OR PREVENTION MEANS</b>
72	<b>ELECTRON-COUPLED TYPE</b>	106	<b>WITH PERIODIC OR REPETITIVE AMPLITUDE VARYING MEANS (E.G., TREMOLO)</b>
73	.Piezoelectric crystal resonator	107 R	<b>SOLID STATE ACTIVE ELEMENT OSCILLATOR</b>
74	<b>COMBINED WITH PARTICULAR OUTPUT COUPLING NETWORK</b>	108 R	.Transistors
75	.Space discharge or unilaterally conductive device in output network	109	..Amplitude stabilization and control
76	.Harmonic producing or selecting network	110	..Bridge type
77	.Wave filter	111	..Relaxation oscillator
78	<b>ELECTRICAL NOISE OR RANDOM WAVE GENERATOR</b>	112	...Blocking oscillator type
79	<b>BEAM TUBE</b>	113 R	...Multivibrator type
80	.With beam sweeping or deflecting means	113 A	....Saturable core controlled converters
81	.With electron bunching or velocity variation means	113 S	....Converter using silicon control rectifiers
82	..Traveling wave type	114	..Push-pull
83	..Multicavity type (e.g., Klystron)	115	..Negative resistance
84	..Reflex type (i.e., with repeller electrode)	116 R	..Electromechanical resonator controlled
86	<b>WITH MAGNETICALLY CONTROLLED SPACE DISCHARGE DEVICE (E.G., MAGNETRON)</b>	116 FE	...Field-effect transistor active element
87	.With particular pulsing means	116 M	...Electromechanical resonators other than piezoelectric crystals
88	.With frequency stabilization	117 R	..L-C type
89	.With secondary emissive electrode	117 FE	...Field-effect transistor active element
90	.With frequency adjustment	117 D	...Distributed parameter resonator transistor oscillators
91	.With undesired mode suppression or selection means	108 A	..Use of complimentary-type transistors
92	<b>RETARDING FIELD TUBE-TYPE OSCILLATORS (E.G., BARKHAUSEN KURZ)</b>	108 B	..Phase shift oscillator
93	.With distributed parameter resonator	108 C	..Integrated circuit oscillators
95	<b>BUTTERFLY RESONATOR</b>	108 D	..Integrated modules with discrete elements oscillators
96	<b>WITH DISTRIBUTED PARAMETER RESONATOR</b>	107 DP	.Significant distributed parameter resonator (e.g., cavity)
97	.Tube enclosed by resonator structure	107 P	..Parallel-connected oscillator devices

107 SL	..Stripline type	156	.Vibrating reed or string type (e.g., tuning fork)
107 C	..Coaxial type		.Magnetostrictive
107 A	.Acoustoelectric device oscillators	157	.Crystal
107 G	.Gunn-type bulk effect device oscillators	158	..Plural tube
107 S	.Superconductive device oscillators	159	..With means to limit crystal current or voltage
107 T	.Tunnel diode oscillators	160	..With crystal substitution
126	<b>GASEOUS SPACE DISCHARGE DEVICE</b>	161	..Plural crystals in circuit
127	.Spark or open arc type	162	..Crystal having three or more electrodes in circuit
128	.Drives shock excited L.C. circuit	163	..Anode or cathode to grid crystal circuit
129	.Relaxation oscillator	164	<b>SHOCK EXCITED RESONANT CIRCUIT</b>
130	..Plural gaseous devices	165	.With keying means of the active element type (e.g., burst generator)
131	..Discharge device or rectifier in "C" or "L" charging or discharging circuit	166	<b>L-C TYPE OSCILLATORS</b>
132	<b>NEGATIVE RESISTANCE OR NEGATIVE TRANSCONDUCTANCE OSCILLATOR</b>	167	.Plural tubes
133	.Secondary emission (e.g., dynatron)	168	.Anode to cathode coupled or connected resonant circuit
134	.Transitron type	169	.Anode to grid coupled or connected resonant circuit
135	<b>PHASE SHIFT TYPE</b>	170	.Grid to cathode coupled or connected resonant circuit
136	.Zero phase shift	171	<b>WITH SYNCHRONIZING, TRIGGERING OR PULSING CIRCUITS</b>
137	.With R.C. ladder-type phase shift network	172	.Triggering or pulsing (e.g., burst generators)
138	<b>BRIDGE TYPE</b>	173	..Self-quenched
139	.Piezoelectric crystal in bridge		<b>FREQUENCY STABILIZATION</b>
140	.R.C. or R.L. type	174	.Temperature or current responsive means in circuit
141	..Wien bridge	175	<b>WITH FREQUENCY ADJUSTING MEANS</b>
142	..Double T bridge	176	.Cyclic frequency sweeping means (e.g., vibrato)
143	<b>RELAXATION OSCILLATORS</b>	177 R	.Step-frequency change (e.g., band selection, frequency- shift keying)
144	.Multivibrators	178	.Reactance tube type
145	..With sync, triggering or pulsing circuit		.Variable inductance device (e.g., saturable core or adjustable vane inductor)
146	.Blocking oscillators	179	.With voltage sensitive capacitor
147	..Using discharge device with plural grids		<b>AMPLITUDE CONTROL OR STABILIZATION</b>
148	..With 3 or more winding feedback transformers	180	.Automatic
149	..With sync, trigger, or pulsing circuit (e.g., self-pulsing)	181	<b>HAVING DISCHARGED DEVICE OR PARTICULAR CONSTRUCTION</b>
150	.Output supplied to another discharge device circuit	177 V	<b>WITH PARTICULAR SOURCE OF POWER OR BIAS VOLTAGE</b>
151	.Involving resonant or inductive wave forming circuit or transformer	182	.Regulated
152	.Multi-grid discharge device in charged capacitor circuit	183	<b>MISCELLANEOUS OSCILLATOR STRUCTURES</b>
153	.With sync, trigger or pulsing circuit	184	
154	<b>ELECTROMECHANICAL RESONATOR</b>	185	
155	.With optical, piezoelectric or acoustic coupling means	186	

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OSCILLATOR